

## Product datasheet for **RN204057**

### Mpg (NM\_012601) Rat Untagged Clone

#### Product data:

Product Type: Expression Plasmids  
 Product Name: Mpg (NM\_012601) Rat Untagged Clone  
 Tag: Tag Free  
 Symbol: Mpg  
 Vector: pCMV6-Entry (PS100001)  
 E. coli Selection: Kanamycin (25 ug/mL)  
 Cell Selection: Neomycin  
 Fully Sequenced ORF: >RN204057 representing NM\_012601  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGC**C

ATGCGCGCCGCGGTGGTACTGCGCGCCTGGGCAGAGGATCCCTAAAACCGGTGTCGGTGGTCTCCCCG  
 ACACCGAGCACCCCTGCATTTCTGGACGAACCCGCCAGGGAATGCCAGAGCAGGATCCCAAGTGAC  
 CGGATCTCGTGAGGTCGGCCAGATGCCAGCGCCGCTTTCACGAAAGATCGGGCAAAAAAGCAGCAACTG  
 GCACAGTCAGAGCAGCAGCAGACCCCTAAGGAGAGACTCTCTCGACCCCTGGCCTCCTGCGAAGTATCT  
 ACTTCTCGAGCCAGAGGACCGCCTGCCCGGCTAGGACCGGAGTATTTGACCAGCCCGCAGTCAACCT  
 AGCCCGTGCAATTTCTGGGACAGGTCTTGTCCGGCGACTTGCTGATGGAACAGAAGTCCGTGGGCGCATT  
 GTAGAGACTGAGGCATACTTGGGGCCAGAAGACGAAGCTGCCCACTCAAGGGGTGGCCGGCAGACCCCC  
 GTAACCGTGCCATGTTTCATGAACTGGAAGTCTGTACGTGTACCTCATCTATGGCATGTACTTCTGCTT  
 GAATGTCTCCAGTCAAGGGGCTGGGCTTGTGTCTTGCTAAGAGCACTAGAGCCATTGGAGGGCCTAGAG  
 ACCATGCGGCAGCTTCGAACTCCCTCCGAAAAGCACTGTCGGCCGTTCCCTCAAGGACCGCGAGCTCT  
 GTAATGGTCCCTCCTCAAACTGTGCCAGGCCCTAGCCATTGATAAGAGCTTTGACCAGCGAGACCTGGCCCA  
 AGATGAGGCTGTGTGGCTGGAGCATGGCCCTCTGGAGTCCAGCAGCCAGCTGTGGTGGCGGCAGCCCGC  
 ATAGGTATTGGCCATGCAGGGGAATGGACACAGAAGCCCTTTCGCTTCTATGTCCAGGGCAGCCCATGGG  
 TCAGTGTGGTAGATAGAGTGGCTGAACAGATGTATCAGCCTCAGCAAACAGCGTGTCTGATTGTTCAAA  
 AGTAAATAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI  
 ACCN: NM\_012601  
 Insert Size: 990 bp



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<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>Components:</b>	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_012601.2</a> , <a href="#">NP_036733.2</a>
<b>RefSeq Size:</b>	1043 bp
<b>RefSeq ORF:</b>	990 bp
<b>Locus ID:</b>	24561
<b>Cytogenetics:</b>	10q12
<b>Gene Summary:</b>	enzyme that cleaves 3-methyladenine and 7-methylguanine residues from DNA [RGD, Feb 2006]